

CLAIMS

1. A recording apparatus for recording second information on a write-once recording medium having first information recorded thereon, the recording apparatus comprising:
 - a host apparatus; and
 - a drive apparatus, wherein
 - the host apparatus includes
 - a storage section for storing the second information; and
 - an instruction section for instructing the drive apparatus to record the stored second information on the write-once recording medium,
 - the drive apparatus includes
 - a generation section for generating correlation information for correlating the first information and the second information;
 - a head section for recording the second information on the write-once recording medium; and
 - a control section for controlling the head section to record the second information and the correlation information on the write-once recording medium.
2. A recording apparatus according to claim 1, wherein the first information includes file management information,
 - the second information includes update information generated by updating the file management information,
 - the generation section generates first correlation information for correlating the file management information and the update information and

the control section controls the head section to record the update information and the first correlation information on the write-once recording medium.

3. A recording apparatus according to claim 2, wherein the write-once recording medium includes at least one first track and at least one second track which is different from the at least one first track,

the at least one first track is an area for recording the file management information and

the at least one second track is an area for recording user data.

4. A recording apparatus according to claim 2, wherein the host apparatus further includes

an obtaining section for obtaining last location information indicating a last location of information recorded on the write-once recording medium; and

a determination section for determining a recording location of data based on the last location information, and

the control section controls the head section such that the head section records the data at the recording location.

5. A recording apparatus according to claim 1, wherein the first information further includes management information, the management information managing the file management information,

the second information includes first update information generated by updating the management information and

the generation section generates second correlation information for correlating the management information and the first update information,

the control section controls the head section to record the first update information and the second correlation information on the write-once recording medium.

6. A recording apparatus according to claim 5, wherein the write-once recording medium includes at least one first track and at least one second track which is different from the at least one first track,

the at least one first track is an area for recording the file management information and

the at least one second track is an area for recording user data.

7. A recording apparatus according to claim 5, wherein the host apparatus further includes

an obtaining section for obtaining last location information indicating a last location of information recorded on the write-once recording medium; and

a determination section for determining a recording location of data based on the last location information, and

the control section controls the head section such that the head section records the data at the recording location.

8. A host apparatus included in a recording apparatus for recording second information on a write-once recording medium having first information recorded thereon, the recording apparatus further including a drive apparatus for

recording correlation information for correlating the first information and the second information and the second information on the write-once recording medium, the host apparatus comprising:

- a storage section for storing the second information; and
- an instruction section for instructing the drive apparatus to record the stored second information on the write-once recording medium.

9. A host apparatus according to claim 8, wherein the first information includes file management information and

- the second information includes update information generated by updating the file management information.

10. A host apparatus according to claim 9, wherein the write-once recording medium includes at least one first track and at least one second track which is different from the at least one first track,

- the at least one first track is an area for recording the file management information and

- the at least one second track is an area for recording user data.

11. A host apparatus according to claim 8, further comprising:

- an obtaining section for obtaining last location information indicating a last location of information recorded on the write-once recording medium; and

- a determination section for determining a recording location of data based on the last location information, and

- the drive apparatus records the data at the recording location.

12. A host apparatus according to claim 8, wherein the first information further includes management information, the management information managing the file management information, and

the second information includes first update information generated by updating the management information.

13. A drive apparatus included in a recording apparatus for recording second information on a write-once recording medium having first information recorded thereon, the recording apparatus further including a host apparatus for instructing the drive apparatus to record the second information on the write-once recording medium,

the drive apparatus comprising:

a generation section for generating correlation information for correlating the first information and the second information;

a head section for recording the second information on the write-once recording medium; and

a control section for controlling the head section to record the second information and the correlation information on the write-once recording medium.

14. A drive apparatus according to claim 13, wherein the first information includes file management information,

the second information includes update information generated by updating the file management information,

the generation section generates first correlation information for correlating the file management information and the update information and the control section controls the head section to record the update information and the first correlation information on the write-once recording medium.

15. A drive apparatus according to claim 14, wherein the write-once recording medium includes at least one first track and at least one second track which is different from the at least one first track, the at least one first track is an area for recording the file management information and the at least one second track is an area for recording user data.

16. A drive apparatus according to claim 13, wherein the host apparatus determines a recording location of data based on last location information indicating a last location of information recorded on the write-once recording medium, and the control section controls the head section such that the head section records the data at the recording location.

17. A drive apparatus according to claim 14, wherein the first information further includes management information, the management information managing the file management information, the second information includes first update information generated by updating the management information, the generation section generates second correlation information for correlating the management in-formation and the first update information,

the control section controls the head section to record the first update information and the second correlation information on the write-once recording medium.

18. A recording method for recording second information on a write-once recording medium having first information recorded thereon, the recording method comprising:

an instruction step of instructing to record the second information on the write-once recording medium;

a generation step of generating correlation information for correlating the first information and the second information; and

a recording step of recording the second information and the correlation information on the write-once recording medium.

19. An instruction method executed by a host apparatus included in a recording apparatus for recording second information on a write-once recording medium having first information recorded thereon, the recording apparatus recording correlation information for correlating the first information and the second information and the second information on the write-once recording medium,

the instruction method comprising:

an instruction step of instructing to record the second information on the write-once recording medium.

20. A method executed by a drive apparatus included in a recording apparatus for recording second information on a write-once recording medium

having first information recorded thereon, the recording apparatus instructing the drive apparatus to record the second information on the write-once recording medium, the method comprising:

a generation step of generating correlation information for correlating the first information and the second information; and

a recording step of recording the second information and the correlation information on the write-once recording medium.

21. A program for executing a recording procedure by a recording apparatus for recording second information on a write-once recording medium having first information recorded thereon, the recording procedure including

an instruction step of instructing to record the second information on the write-once recording medium;

a generation step of generating correlation information for correlating the first information and the second information; and

a recording step of recording the second information and the correlation information on the write-once recording medium.

22. A program for executing an instruction procedure by a host apparatus included in a recording apparatus for recording second information on a write-once recording medium having first information recorded thereon, the recording apparatus recording correlation information for correlating the first information and the second information and the second information on the write-once recording medium,

the instruction procedure including

an instruction step of instructing to record the second information on the write-once recording medium.

23. A program for executing a recording procedure by a drive apparatus included in a recording apparatus for recording second information on a write-once recording medium having first information recorded thereon, the recording apparatus instructing the drive apparatus to record the second information on the write-once recording medium, the recording procedure including

a generation step of generating correlation information for correlating the first information and the second information; and

a recording step of recording the second information and the correlation information on the write-once recording medium.

24. An integrated circuit included in a recording apparatus for recording second information on a write-once recording medium having first information recorded thereon, wherein

the recording apparatus further include a drive apparatus for recording correlation information for correlating the first information and the second information and the second information on the write-once recording medium and

the integrated circuit instructs the drive apparatus to record the second information on the write-once recording medium.

25. An integrated circuit included in a recording apparatus for recording second information on a write-once recording medium having first information recorded thereon, the recording apparatus further including an apparatus for

instructing the drive apparatus to record the second information on the write-once recording medium, the integrated circuit comprising:

- a generation section for generating correlation information for correlating the first information and the second information; and

- a control section for recording the second information and the correlation information on the write-once recording medium.

26. A reproduction apparatus for reproducing second information from a write-once recording medium having first information and the second information recorded thereon, correlation information for correlating the first information and the second information being further recorded on the write-once recording medium, the reproduction apparatus comprising:

- a host apparatus; and

- a drive apparatus, wherein

- the host apparatus includes

- an instruction section for instructing the drive apparatus to reproduce the second information from the write-once recording medium,

- the drive apparatus includes

- a head section for reproducing the second information from the write-once recording medium; and

- a control section for controlling the head section to reproduce the second information from the write-once recording information based on the correlation information.

27. A reproduction apparatus according to claim 26, wherein the first information includes file management information,
the second information includes update information generated by updating the file management information,
first correlation information for correlating the file management information and the update information is recorded on the write-once recording medium and
the control section controls the head section to reproduce the update information from the write-once recording medium based on the first correlation information.

28. A reproduction apparatus according to claim 26, wherein the write-once recording medium includes at least one first track and at least one second track which is different from the at least one first track,
the at least one first track is an area for recording the file management information and
the at least one second track is an area for recording user data.

29. A reproduction apparatus according to claim 27, wherein the first information further includes management information, the management information managing the file management information,
the second information includes first update information generated by updating the management information,

second correlation information for correlating the management information and the first update information is recorded on the write-once recording medium and

the control section controls the head section to reproduce the first update information from the write-once recording medium based on the second correlation information.

30. A host apparatus included in a reproduction apparatus for reproducing second information from a write-once recording medium having first information and the second information recorded thereon, correlation information for correlating the first information and the second information being further recorded on the write-once recording medium, the reproduction apparatus further including a drive apparatus for reproducing the second information from the write-once recording medium based on the correlation information, the host apparatus comprising:

an instruction section for instructing the drive apparatus to reproduce the second information from the write-once recording medium.

31. A host apparatus according to claim 30, wherein the first information includes file management information and

the second information includes update information generated by updating the file management information.

32. A host apparatus according to claim 31, wherein the write-once recording medium includes at least one first track and at least one second track which is different from the at least one first track,

the at least one first track is an area for recording the file management information and

the at least one second track is an area for recording user data.

33. A host apparatus according to claim 31, wherein the first information further includes management information, the management information managing the file management information and

the second information includes first update information generated by updating the management information.

34. A drive apparatus included in a reproduction apparatus for reproducing second information from a write-once recording medium having first information and the second information recorded thereon, correlation information for correlating the first information and the second information being further recorded on the write-once recording medium, the reproduction apparatus further including a host apparatus for instructing the drive apparatus to reproduce the second information from the write-once recording medium, the drive apparatus comprising:

a head section for reproducing the second information from the write-once recording medium; and

a control section for controlling the head section to reproduce the second information from the write-once recording information based on the correlation information.

35. A drive apparatus according to claim 34, wherein the first information includes file management information,

the second information includes update information generated by updating the file management information,

first correlation information for correlating the file management information and the update information is recorded on the write-once recording medium and

the control section controls the head section to reproduce the update information from the write-once recording medium based on the first correlation information.

36. A drive apparatus according to claim 34, wherein the write-once recording medium includes at least one first track and at least one second track which is different from the at least one first track,

the at least one first track is an area for recording the file management information and

the at least one second track is an area for recording user data.

37. A drive apparatus according to claim 35, wherein the first information further includes management information, the management information managing the file management information,

the second information includes first update information generated by updating the management information,

second correlation information for correlating the management information and the first update information is recorded on the write-once recording medium and

the control section controls the head section to reproduce the first update information from the write-once recording medium based on the second correlation information.

38. A reproduction method for reproducing second information from a write-once recording medium having first information and the second information recorded thereon, correlation information for correlating the first information and the second information being further recorded on the write-once recording medium, the reproduction method comprising:

an instruction step of instructing to reproduce the second information from the write-once recording medium; and

a reproduction step of reproducing the second information from the write-once recording medium based on the correlation information.

39. An instruction method executed by a host apparatus included in a reproduction apparatus for reproducing second information from a write-once recording medium having first information and the second information recorded thereon, correlation information for correlating the first information and the second information being further recorded on the write-once recording medium, the reproduction apparatus reproducing the second information from the write-once recording medium based on the correlation information, the instruction method comprising:

an instruction step of instructing the drive apparatus to reproduce the second information from the write-once recording medium.

40. An method executed by a drive apparatus included in a reproduction apparatus for reproducing second information from a write-once recording medium having first information and the second information recorded thereon, correlation information for correlating the first information and the second information being further recorded on the write-once recording medium, the reproduction apparatus instructing the drive apparatus to reproduce the second information from the write-once recording medium, the method comprising:

a step of reproducing the second information from the write-once recording medium based on the correlation information.

41. A program for executing a reproduction procedure by a reproduction apparatus for reproducing second information from a write-once recording medium having first information and the second information recorded thereon, correlation information for correlating the first information and the second information being further recorded on the write-once recording medium, the reproduction procedure including

an instruction step of instructing to reproduce the second information from the write-once recording medium; and

a reproduction step for reproducing the second information from the write-once recording medium based on the correlation information.

42. A program for executing an instruction procedure by a host apparatus included in a reproduction apparatus for reproducing second information from a write-once recording medium having first information and the second information recorded thereon, correlation information for correlating the first information and the

second information being further recorded on the write-once recording medium, the reproduction apparatus reproducing the second information from the write-once recording medium based on the correlation information, the instruction procedure including

an instruction step of instructing to record the second information on the write-once recording medium.

43. A program for executing a reproduction procedure by a drive apparatus included in a reproduction apparatus for reproducing second information from a write-once recording medium having first information and the second information recorded thereon, correlation information for correlating the first information and the second information being further recorded on the write-once recording medium, the reproduction apparatus instructing the drive apparatus to reproduce the second information from the write-once recording medium, the reproduction procedure including

a step of reproducing the second information from the write-once recording medium based on the correlation information.

44. An integrated circuit included in a reproduction apparatus for reproducing second information from a write-once recording medium having first information and the second information recorded thereon, wherein

correlation information for correlating the first information and the second information is further recorded on the write-once recording medium,

the reproduction apparatus further including a drive apparatus for reproducing the second information from the write-once recording medium based on the correlation information and

the integrated circuit instructs the drive apparatus to reproduce the second information from the write-once recording medium.

45. An integrated circuit included in a reproduction apparatus for reproducing second information from a write-once recording medium having first information and the second information recorded thereon, correlation information for correlating the first information and the second information being further recorded on the write-once recording medium, the reproduction apparatus further including an apparatus for instructing the integrated circuit to reproduce the second information from the write-once recording medium, the integrated circuit comprising:

a control section for reproducing the second information from the write-once recording medium based on the correlation information.

46. A write-once recording medium for recording first information, second information and correlation information for correlating the first information and the second information.